


ENGINEERING PROGRAM MANAGER
WORLD TRADE
CHIEF ELECTRICAL ENGINEER

1	8/23/99	AS-BID	
No.	Date	Revision	Approved

ENGINEERING DEPARTMENT
DESIGN DIVISION

WORLD
TRADE
CENTER

ELECTRICAL		

Title

**FIRE ALARM SYSTEM
DEVICE UPGRADE
PHASE III
1 WORLD TRADE CENTER
CONTRACT NO. 3**

84th FLOOR SMOKE DETECTOR INSTALLATION AND REMOVAL PLAN

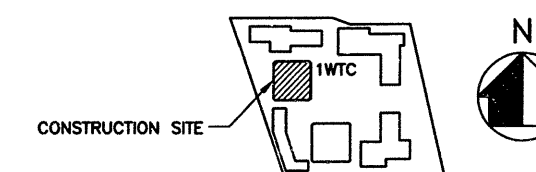
This drawing subject to conditions in Contract. All inventions, ideas, designs and methods herein are reserved to Port Authority and may not be used without its written consent.

S. FELDSTEIN	F. BROWN	A.S.
Designed by	Drawn by	Checked by

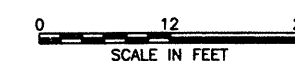
AUGUST 9, 1999
Date

WTC-861.176	E-084-3
Contract Number	Drawing Number

1. FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES, SEE DWG. E-1.
FOR INSTALLATION DETAILS, SEE DWG. E-2. FOR WIRING DIAGRAMS,
SEE DWG. E-3.
2. CONTRACTOR SHALL REMOVE EXISTING SMOKE DETECTORS ONLY
AFTER INSTALLED DEVICES ARE OPERATIONAL.
3. FOR REMOVAL AND PATCHING PLAN DETAILS (P-1, P-2, P-3
& P-4), SEE DWG. A-1.
4. FOR RETURN AIR SMOKE DETECTORS ARRANGEMENT AND NOTES,
SEE DWG. M-1.
5. SINCE FIRE ALARM CIRCUIT LENGTH IS CRITICAL, ROUTING AND
INSTALLATION OF ALL FIRE ALARM CIRCUITS SHALL BE AS SHOWN
ON DRAWING.
6. DISCONNECT AND ABANDON EXISTING SMOKE DETECTOR CIRCUITS IN
CELLAR/MECH. ENDS OF ABANDONED CONDUCTORS AND TAC AS
ABANDONED. THIS WORK SHALL BE DONE IN THE PRESENCE OF THE
ENGINEER.
7. COORDINATE CONDUIT PENETRATION OF TENANT FIRE ALARM CONTROL
PANEL WITH TENANT FIRE ALARM CONTROL PANEL SERVICE VENDOR
THROUGH THE ENGINEER.



KEY PLAN



FILE NAME: Y:\Wtc-861.176\176E-084-3RD.dwg plotted on 7/21/1999 by RDUKESHIRE